Regency
the first name in solid state

PROFESSIONAL 2 WAY action radio

DATE 4/14/82

SSC Service Bulletin

no. 82-242

TO: ALL REGENCY COMMUNICATIONS PROFESSIONAL SALES & SERVICE CENTERS
ALL REGENCY COMMUNICATIONS PROFESSIONAL SALES REPRESENTATIVES

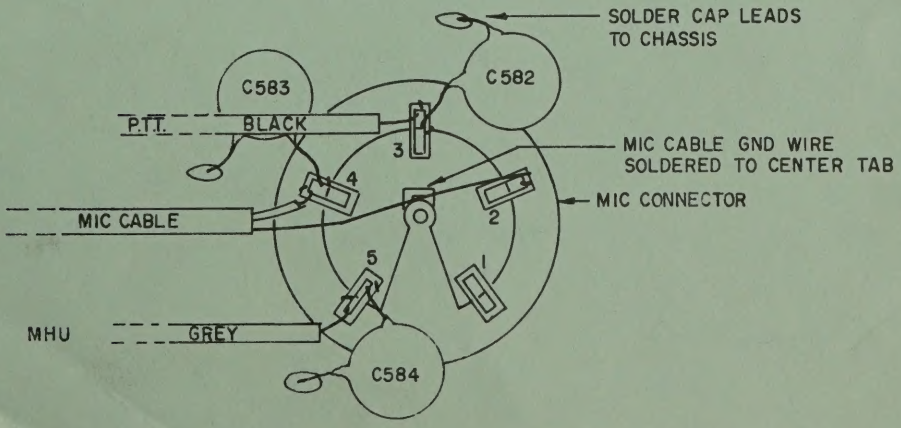
MODELS AFFECTED: XLH252, XLH257

PROBLEM: INSTALLATION DIFFICULTIES WITH VEHICULAR GENERATED ELECTRICAL NOISE AND HIGH R.F. FIELD SENSITIVITY

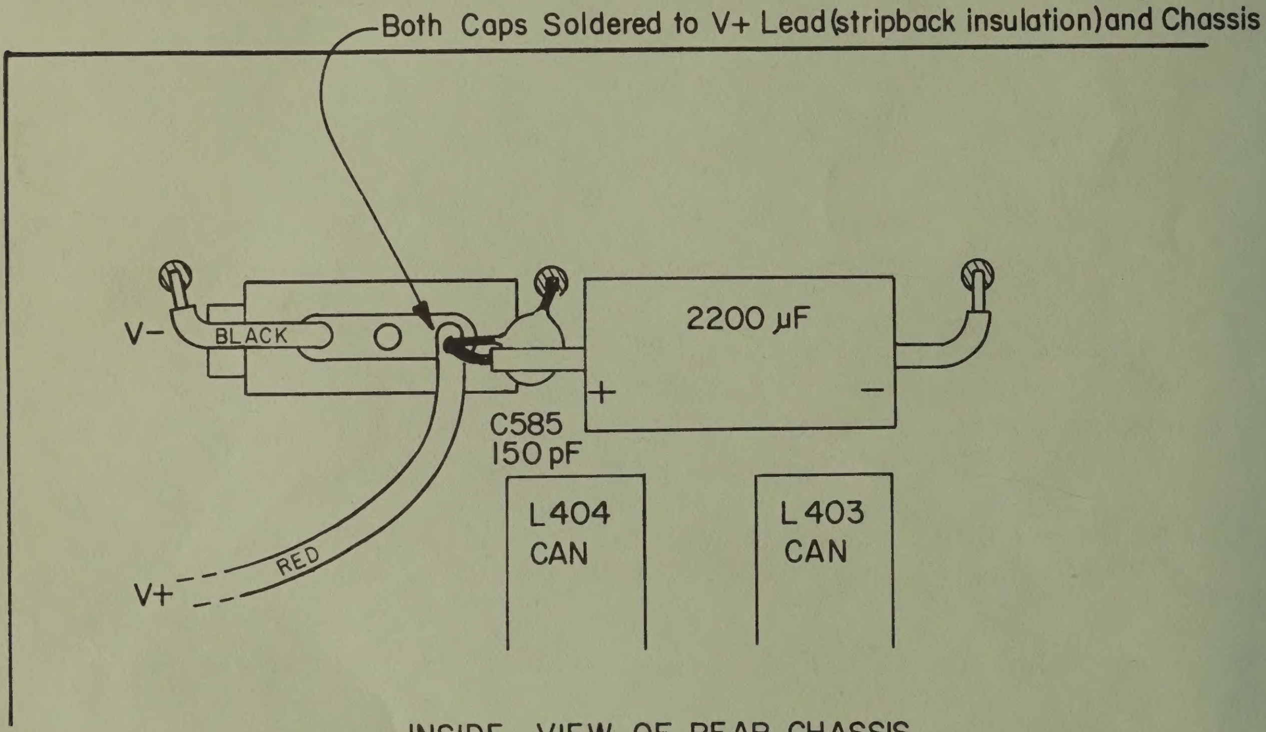
XLH252 and XLH257 radios manufactured before April 1982 may demonstrate operational difficulties with the problem listed above.

To reduce the effect of the above sources of difficulties, use the following procedure:

1. Remove the radio covers and disassemble the chassis mounting screws for the VCO Board. Observe the wire dress; then move the VCO assembly out of the way and add C582, C583, and C584, 150pF ceramic disc capacitors (1523-0151-002) as shown in the diagram below. Be sure the capacitors are soldered to the chassis as well as the microphone connector, using as short a lead length as possible.


SOLDER CAP LEADS TO CHASSIS
C583
C582
P.T.T.
BLACK
3
4
MIC CABLE GND WIRE SOLDERED TO CENTER TAB
MIC CONNECTOR
MIC CABLE
2
5
1
MHU
GREY
C584

2. Reassemble the VCO to the chassis. Be sure that the wires are dressed as they were before the disassembly was started. Add C585, 150pF (1523-0151-002) and a 2200mF, 16V Electrolytic capacitor (1511-0222-002) to the DC power connector as shown in the figure below.


Both Caps Soldered to V+ Lead (stripback insulation) and Chassis
V−
BLACK
2200 µF
+
−
C585
150 pF
L404
CAN
L403
CAN
RED
V+

INSIDE VIEW OF REAR CHASSIS

3. After soldering the parts in place, recheck the radio performance. Retune, if necessary. Complete the radio case assembly and return the unit to service.

A Parts Kit, PK003, is available on a no-charge basis from Regency Communications to provide the required material to implement this modification.

TECHNICAL SERVICE DEPARTMENT

REGENCY COMMUNICATIONS, INC.